

# PART III—Section 2

## NOTIFICATIONS BY THE HEADS OF DEPARTMENTS

### JUDICIAL DEPARTMENT

#### BANGALORE DISTRICT.

Notification dated 6th September 1950.

**No. J2. C. 777—49-50.** It is notified for the information of the public that the Government in their order No. T. 4332—R.T. 44-49-18, dated 24th August 1950, have sanctioned fifty Auto-rickshaws to ply within the limits of Bangalore City Corporation. The permits will be issued to the deserving applicants subject to the following conditions:—

1 The persons who desire to ply Auto-rickshaws may apply to the District Magistrate, Bangalore, on or before the 20th September 1950, in Form 21 under Rule 144 of the Mysore Motor Vehicles and Road Traffic Rules, 1945.

2 The Auto-rickshaws have been classified as Motor cabs under the Mysore Motor Vehicles and Road Traffic Act and the rules framed thereunder.

3 The service tax payable is in accordance with the notification No. L.D. 1629—Legis. 46-49-1, dated 31st March 1950, published in the Gazette Extraordinary of the same date.

4 The fares to be charged should be as approved in Government notification No. T. 4096—R.T. 144-49-17, dated 15th August 1950.

5 Not more than three persons are permitted to be carried in the Auto-rickshaws.

6 The license will be cancelled at any time after giving three months' notice, if the working of Auto-rickshaws is found to be not satisfactory.

7 Any other conditions that may be imposed by Government from time to time.

B. T. KEMPANNA,

Dy. Commr.

4373

### IN THE COURT OF THE AMILDAR-MAGISTRATE, SAKLESPUR.

Notification dated 1st September 1950.

It is hereby notified for the information of the public that the undermentioned properties have been lying unclaimed in the Court of the Amildar-Magistrate, Saklespur Taluk, Saklespur, and claimants, if any, may appear before this Court within six months from the date of this notification and receive the articles after establishing their claim.

Any claims after the said period will not be considered and the properties will be forfeited to Government.

| Sl. No. | Property Register No. | Police Mul form No. | From whom seized.                                                           | Particulars of properties                                                                                      | Valued at Rs. a. p. | Remarks |
|---------|-----------------------|---------------------|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------|---------|
| 1       | 1—49-50               | P.F. 3—48-49        | Found on the dead body of one                                               | Silver bangles one pair ಒಂದು ಜೊತೆ ಬೆಳ್ಳಿ ಕಡಗ                                                                   | ...                 | ...     |
| 2       | .                     | ...                 | ಶಿವಮ್ಮ found dead in the Crawford Hospital at Saklespur on 14th July 1948.  | One silver case of "Linga" (with Linga) ಒಂದು ಬೆಳ್ಳಿ ಲಿಂಗದಕಾಯಿ.                                                 | ...                 | ...     |
| 3       | ...                   | ...                 | ...                                                                         | One gold "Thali" with black beads in thread ಒಂದು ಚಿನ್ನದ ತಾಳಿ ಕಾಸಿನ ಅಗಲ ಇದೆ. ಕಂಮಣಿ ಜೊತೆಯಲ್ಲಿ ದಾರದಲ್ಲಿ ಪೋಣಿಸಿದೆ. | ...                 | ...     |
| 4       | 2—49-50               | 47—49-50            | Found on the unclaimed dead-body of an A.K. at Hembar on 9th February 1950. | One pair of small silver rings ಒಂದು ಜೊತೆ ಚಿಕ್ಕ ಬೆಳ್ಳಿಯ ಉಂಗುರ                                                   | 0 8 0               | ...     |

4323

Amildar-Magistrate.

### CHIKMAGALUR DISTRICT.

Notification dated 28th August 1950.

**No. J2. Pr. 40—50-51.** It is hereby notified for the information of all those whom it may concern that proposals for grant of Bus Lines as detailed below will be considered at the District Traffic Advisory Committee to be convened on Friday the 29th September 1950 at 12 NOON in the District Office, Chikmagalur. Objections, if any, may be preferred in person or through their counsel on or before 26th of September 1950. Objections received after this date will not be considered. Objections in respect of different lines should be presented separately.

| Name of the Applicant                                                                                                    | Route proposed                                                                                                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sriyuta—<br>Janab Mohamed Ebrahim, Khaleel Motor Service, Chikmagalur.<br>Messrs. Manjanatha Motor Company, Chikmagalur. | Extending Chikmagalur-Kemmangundi-Tarikere Line to Shimoga via Bhadravathi, Narasimharajapura. Tarikere to Narasimharajapura Bus Service from Ajjampur to Belur via Birur, Kadur, Chikmagalur and vice versa. |
| M G Gangappa, Land-lord, Mugaleballi, Channagiri Taluk, Shimoga District.<br>Uddabasaappa                                | Morning Pair Weather Bus Service from Santebennur to Shivane Railway Station and vice versa.                                                                                                                  |
| H M Imam & Sons, Motor Service, Ajjampur.                                                                                | Extending the existing Bus Line from Tarikere to Hiriya to Lakkavally, Tarikere, Ajjampur and Hosadurga.                                                                                                      |

| Sl. No. | Name of the applicant                                                 | Route proposed                                                                                                                                                                                         |
|---------|-----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5       | T Gangadaraswamy, Bangalore 2.                                        | Bus Line from Chikmagalur to Shimoga via Bhadravathi, Lakkavally, Tarikere, Lingadahally, Birur and Kadur.<br>(N.B.—Letter No. T. 2001-2—50-51, dated 16th June 1950 of the Secretary, Traffic Board). |
| 6       | S Mariappa, Tokkoji Rao, Ajjampur.                                    | Bus Line from Ajjampur to Hassan via Birur, Kadur, Sakrepatna, Chikmagalur, Belur, Hagare and Hassan.                                                                                                  |
| 7       | Patel Koriappa, Doddamallapura, Santhebennur Hobli, Channagiri Taluk. | Bus Line between Davanagere, Chikmagalur via Thotahunasi, Kodaganur, Mayakonda, Solalu via Santhebennur, Channagiri and Tarikere.                                                                      |
| 8       | H E Kalasetappa, Commission Agent, Hosadurga, Chitaldurg District.    | Bus Line from Hosadurga to Arasikere via Belgur and Panchanahally and back.                                                                                                                            |
| 9       | N L Siddaramanna, Nidaghatta.                                         | Bus Line from Chikmagalur to Tarikere via Sakrepatna, Devanur, Banavara, Shyanagere, Singatagere, Yegati, Birur and Tarikere and back.                                                                 |
| 10      | K Seetharama Sastry & Bros, Sree Rama Lorry Transport, Kadur.         | Bus Line between Arasikere and Shimoga via Birur, Lingadahally, Tarikere and Bhadravathi.                                                                                                              |
| 11      | S Nirvanagowda, B.A., Coffee Planter, Chikmagalur.                    | Bus Line between Honnal (Narasimharajapura) and Hassan via Mallandur, Chikmagalur and Birur.                                                                                                           |
| 12      | I K Kuttappa, Proprietor, Sri Maruthi Motor Service, Chikmagalur.     | Extending the existing Bus Line "Chikmagalur, Tarikere-Narasimharajapura" up to Balehonnur via Chikka-agrahara and back.                                                                               |

| Sl. No. | Name of the Applicant<br>Sriyuts—                                                                                                                    | Route proposed                                                                                                                                                                                                               | Sl. No. | Name of the Applicant<br>Sriyuts—                               | Route proposed                                                                                                                                                                                                                                                       |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 13      | T M Sidappa and T Marulappa, Panchanahally.                                                                                                          | Bus Line from Belagur Village (Chitaldrug District) to Lakkavalli via Panchanahally, Arasikere, Banavar, Kadur, Birur and Tarikere.                                                                                          | 37      | Mohamed Ebrahim, Proprietor, C M Khaleel Motor Service.         | Extending the existing Chikmagalur-Banavara Bus Service up to Tarikere via Shanegere, Singatagere, Yegati and Birur.                                                                                                                                                 |
| 14      | K M Basavara, Arasikere.                                                                                                                             | Shandy Service from—<br>1 Arasikere to Kadur,<br>2 Do to Hassan,<br>3 Do to Chikmagalur,<br>4 Do to Genasi,<br>5 Do to Muligar,<br>6 Do to Tiptur,<br>7 Do to Javagal.                                                       | 38      | Do do ...                                                       | Extending the existing Chikmagalur-Kemmangudi-Tarikere Service up to Davanagere via Bhadravathi, Chennagiri and Salekere.                                                                                                                                            |
| 15      | B N Liganna, Banur...                                                                                                                                | Bus line from Chikmagalur to Kadur, Tarikere, Bhadravathi, Shimoga, Holalur, Honnali, Harihara and Davangere—up and down.                                                                                                    | 39      | K S Ramaswamy, Planter, Hosanahpete, Door No. 851, Chikmagalur. | (1) Bus line from Chikmagalur to Banakal and vice versa.<br>(2) Kadur to Chikmagalur to give connection to Poona-Bangalore Mail.<br>(3) Kadur-Chikmagalur to give connection to Bangalore-Poona Mail.<br>(4) Chikmagalur to Kotigehar-State Frontier and vice versa. |
| 16      | S R Rangaiiah, Patel and Municipal Councillor, Shimoga.                                                                                              | Bus line from Shimoga to Chikmagalur via Narasimharajapura, Koppa and Balehonnur.                                                                                                                                            | 40      | M S Devagowda, Proprietor, Shankar Motor Co., Koppa-Kadur.      | Extending the existing Kotigehar-Balehonnur Bus Service up to Koppa.                                                                                                                                                                                                 |
| 17      | K H Mudiappa, Proprietor, Jayalakshmi Motor Service, Kadur.                                                                                          | Bus line between Kadur, Birur, Yegati, Singatagere, Banavar, Arasikere, Banavar, Mathighatta and back to Kadur.                                                                                                              | 41      | C B Murgendrappe, Zamindar, Holakere.                           | Bus line from Chitaldrug to Mudigere via Holakere, Hosadurga, Ajjampur, Kadur, Chikmagalur and vice versa.                                                                                                                                                           |
| 18      | K H Mudiappa & Bros., Kadur.                                                                                                                         | Bus line from Kadur to Chitaldrug and back.                                                                                                                                                                                  | 42      | N Karisiddappa, B.Sc., LL.B., Ajjampura.                        | Extending the existing Birur to Augumbe Bus line up to Arasikere via Yegati, Singatagere, Shanegere and Banavar.                                                                                                                                                     |
| 19      | (a) A H Rudrappa, Birur.<br>(b) T Rudrappa, General Merchant, Tarikere.                                                                              | (a) Bus line from Birur to Shimoga via Lingadahalli, Tarikere, Lakkavalli and Bhadravathi<br>(b) Bus line from Birur to Shimoga via Lingadahalli, Tarikere, Lakkavalli and Bhadravathi but via Holehonnur after Bhadravathi. | 43      | Do do ...                                                       | Bus line from Davangere, to Shimoga via Thyavange, Soolekere, Channagiri, Bukkambudi, Ajjampur, Tarikere, Lakkavalli and Bhadravathi.                                                                                                                                |
| 20      | The Public of Aldur and surrounding villages.                                                                                                        | Four services between Chikmagalur and Mudigere.                                                                                                                                                                              | 44      | Do do ...                                                       | Bus line from Shivani Railway Station to Arasikere via Bukkambudi, Ajjampur, Birur, Yegati, Singatagere, Shanegere and Banavara.                                                                                                                                     |
| 21      | General Manager, P. V. Motor Service, Ltd., Kodialbail.                                                                                              | Extension of (1) Mangalore, Shirady Frontier Service up to Hassan and (2) Mangalore-Charmady Frontier Service up to Birur.                                                                                                   | 45      | Frederick Nazarath, Philomina Bus Service, Chikmagalur.         | Bus line from Mudigere to Gundikhan via Aldur, Toranamavu, Joldal Chikmagalur and Attigundi.                                                                                                                                                                         |
| 22      | (a) Janab Syed Ghouse, Private Medical Practitioner, Ajjampur P.O.<br>(b) Raiyats and Merchants of Ajjampur Hobli.                                   | Bus line from Ajjampur, Birur, Kadur, Yegati, Singatagere, Banavar, Arasikere, Halkoor and Madakere—74 miles up.                                                                                                             | 46      | A H Rudrappa, Nut Merchant, Birur.                              | Bus line from Birur to Charnadighat and after-noon train.                                                                                                                                                                                                            |
| 23      | Sri Ramalluge-wara Lorry Service, Basavanahalli, Chikmagalur.                                                                                        | Bus line from Gonbidu to Kadur Railway Station via Mudigere-Aldur-Chikmagalur and vice versa.                                                                                                                                | 4459    |                                                                 |                                                                                                                                                                                                                                                                      |
| 24      | B Mallappa, Anuvana-halli, Shivane Post.                                                                                                             | Bus line from Chikmagalur to Tarikere via Sakrepatna, Banavar, Singatagere, Yegati and Birur.                                                                                                                                |         |                                                                 |                                                                                                                                                                                                                                                                      |
| 25      | Do do ...                                                                                                                                            | Bus line from Birur to Shimoga via Lingadahalli, Tarikere, Lakkavalli, Bhadravathi and Balehonnur—morning service                                                                                                            |         |                                                                 |                                                                                                                                                                                                                                                                      |
| 26      | (a) Messrs. Shankar Motor Company, Koppa.<br>(b) The Mahad Planters Motor Service.                                                                   | Extension of Sringeri-Birur Service up to Kadur.                                                                                                                                                                             |         |                                                                 |                                                                                                                                                                                                                                                                      |
| 27      | (a) S Naganna Setty, Merchant, Ajjampur<br>(b) Janab H S Syed Ghouse, Medical Practitioner, Ajjampur.<br>(c) Mudliappa, Excise Contractor, Ajjampur. | Bus line from Ajjampura to Chikmagalur and vice versa.                                                                                                                                                                       |         |                                                                 |                                                                                                                                                                                                                                                                      |
| 28      | Nayak Basappa, Village Panchayat Chairman, Sakrepatna.                                                                                               | Kadur to Sravanabelagola via Sakrepatna, Chikmagalur, Kalasapura, Banavar, Arasikere, Gansi, Channarayapatna and vice versa.                                                                                                 |         |                                                                 |                                                                                                                                                                                                                                                                      |
| 29      | Messrs. M S Kantappa Setty & Sons, General Merchants, Chitaldrug.                                                                                    | Bus line between Davanagere and Chikmagalur via Chennagiri, Holakere, Hosadurga, Ajjampur, Birur and Kadur.                                                                                                                  |         |                                                                 |                                                                                                                                                                                                                                                                      |
| 30      | Janab H M Abdul Hadi, Proprietor, the Star Motor Service, Hassan.                                                                                    | Extension of the existing Hassan-Sakrepatna line up to Chikmagalur via Hanbal, Mudigere and Aldur.                                                                                                                           |         |                                                                 |                                                                                                                                                                                                                                                                      |
| 31      | B D Bhojgowda, Anjaneya Motor Service, Chikmagalur.                                                                                                  | Extending the existing bus line Chitaldrug-Chikmagalur up to Kottigehar and vice versa.                                                                                                                                      |         |                                                                 |                                                                                                                                                                                                                                                                      |
| 32      | Janab T K Abdul Rahiman Khan, Landholder, Tarikere.                                                                                                  | Bus line from Tarikere to Honnali via Chitlur.                                                                                                                                                                               |         |                                                                 |                                                                                                                                                                                                                                                                      |
| 33      | Janab T B Zainulabdin, Landholder, Tarikere.                                                                                                         | Bus line from Tarikere to Shimoga via Narasimharajapura.                                                                                                                                                                     |         |                                                                 |                                                                                                                                                                                                                                                                      |
| 34      | Messrs. S Suryanarayana Setty & Bros, Ajjampura.                                                                                                     | 1 Bus line Ajjampura to Kadur via Birur and vice versa.<br>2 Ajjampura to Narasimharajapura via Hunasaghatta and Tarikere and vice versa.                                                                                    |         |                                                                 |                                                                                                                                                                                                                                                                      |

Addenda to Notification No. J2. Pr. 40—50-51, dated 28th August 1950.

- 35 K Nizgeppa, Proprietor, Siddarameshwara Motor Service, Ajjampur.
- 36 B C Linganna, Chikmagalur.
- Bus line from Ajjampura, Birur, Kadur, Sakrepatna, Chikmagalur, Mudigere, Kotigehar, Charnadi Ghat and Dharmastala.
- Bus line from Chikmagalur to Bangalore and vice versa, via Sakrepatna, Devanur, Kirbanahally, Taravakere, Mayasandura, Nelligere, Kunigal and Bangalore.

Notification dated 5th September 1950.

Subject :—Sanction of Van Service between Kadur—Lingadahalli and Kemmangundi.

No. J2. P.R. 83-48. In pursuance of letter No T.3 620—50-51, dated 3rd August 1950, of the Secretary Mysore Traffic Board, Bangalore, on the above subject applications are invited from persons intending to run a van service between Kadur—Lingadahalli and Kemmangundi with return journey via, Tarikere, Birur and Kadur in Form 21 of Appendix I to the Motor Vehicles and Road Traffic Rules, 1948 (printed below) for filling up the following conditions of Nationalisation.

1 The applications should reach the undersigned on or before 28th September 1950.

2 Permit will be granted only if and when the selected permit-holder produces a vehicle duly fitted up with gas-plant or diesel oil-engine.

3 No compensation will be admissible in case the permit is terminated in pursuance of the Nationalisation Scheme.

4 The applicants should have sufficient means to manage the service efficiently and they must have experience in maintaining the Van Service.

5 The selected permit-holder should be ready to produce the Van before the undersigned for inspection when demanded duly registered in his name.

6 The applicant should be a subject of His Highness the Rajpramukh of Mysore by birth or domicile.

7 The permit to be granted is purely temporary under Nationalisation Scheme of bus services and subject to renewal quarterly as in the case of other existing van service permits in the State.

8 The particulars required in Form 21 should correctly furnished as otherwise the application will be rejected.

A. N. ANANTHARAMIAH,  
Dist. Magr.

4360

#### CHITALDRUG DISTRICT.

Notification dated 7th September 1950.

No. J2. C. 2970-P.R. 211—49-50. It is hereby notified for the information of the public that a fair weather line has been sanctioned by the Mysore Traffic Board between Chikmagalur and Davanagere (via Jaldal, Donehalli, Bidaraker and Bharmasagara).

Applications are invited in Form 21, Appendix I to Mysore Motor Vehicles and Road Traffic Rules, 1945 (annexed below) along with the requisite certificate of solvency from such of the persons who are intending to run bus service on the said route subject to the following conditions:—

1. Applications duly stamped with Re. 0-12-0 Court Fee Stamp should reach the undersigned on or before the 30th September 1950.
2. The applicant should be a subject of His Highness the Maharaja of Mysore by birth or domicile.
3. The applicant should have sufficient means to manage the service efficiently and he must have experience in running the Bus Service.
4. The permit to be granted will be purely on a temporary basis subject to renewal quarterly as in the case of other existing Bus Permits in the State.
5. Vehicle duly fitted up with gas plant or diesel oil engine should be produced before permit is granted in respect of this fair weather line.
6. No compensation will be paid in case the permit is terminated in pursuance of the Scheme of Nationalisation of Bus Services in the State.
7. It may also be noted that while granting this service priority will be given to Bus owners who are displaced under the Nationalisation Scheme.
8. The selected applicant should be prepared to commence running the service within fifteen days from the date of communication of the orders granting the permit.
9. Suitable timings will be given to this service at the time of granting the permits.
10. Applications received after the due date and those which are not in the prescribed form will be rejected summarily.
11. No solvency certificate is required from the persons who are already holding permits to run Bus Services in this District.

K. SESHAGIRI RAO,  
District Magistrate.

4419

To

The District Magistrate,  
..... District.

Sir,

I/We, the undersigned, hereby apply for a permit to ply a Stage, Carriage/Contract Carriage/Taxi Cab in an existing vacancy/in a vacancy advertised in the *Mysore Gazette*, dated .. in addition to existing service or services of fresh service, on the..... route or area.

The required particulars are furnished hereunder:—

- 1 Full name including father's name and address. ....
- 2 Present profession and age of applicant. ....
- 3 Whether Mysorean by birth or domicile (in the latter case, a certificate from a Gazetted Officer of Mysore State service to be enclosed). ....
- 4 The extent to which the applicant is solvent and whether a certificate is enclosed. ....
- 5 Particulars of experience in motor transport services. ....
- 6 Particulars of Stage Carriage or Contract Carriage or Taxi Cab services already running in the name of the applicant. ....
- 7 Whether an automobile workshop is owned and if so, its location and the value of machinery possessed. ....
- 8 Whether applicant is prepared to run unremunerative feeder services, if any. ....
- 9 The number of vehicles that will ply on the route or area applied for and whether they will run on producer gas plant or petrol. ....
- 10 The registration mark, type, seating capacity and maximum laden weight of the vehicle. ....
- 11 Whether particulars of time-table are enclosed. ....

I am/We are at present in possession of vehicles.....  
.....  
.....

I/We hereby declare that the above statements are true.

..... Signature or Thumb Impression  
..... of the Applicants.

## REVENUE DEPARTMENT.

### BANGALORE DISTRICT.

Notification dated 6th September 1950.

**No. A6. Est. 4-59-51.** Under Section 3 (1) of the Minor Tank Restoration Act, 1923, as amended from time to time it is hereby notified for the information of the ryots concerned that it has been proposed to restore Kengal Kempohalli tank (Minor), Reg. No. 156, S. L. No. 154, Nelamangala Taluk, at an estimated cost of Rs. 3,800 (rupees three thousand and eight hundred only). The ryots share of contribution will be Rs. 1,760, (rupees seven hundred and sixty only). In addition the owners of 6 acres and 31 guntas of dry land will have to pay Rs. 6 per acre as wet assessment and also to pay an acreage contribution of Rs. 100 as this extent of 6 acres and 31 guntas of dry land is proposed to be converted into wet. In case of the revision of the estimate, the ryots will have to pay the enhanced contribution that may accrue thereof.

Objections, if any, may be preferred before the undersigned within two months from the date of publication of this notification.

Objections, if any, received after the said period of two months will not be heard under Section 3 (2) of the same Act.

4364

B. T. KEMPANNA,  
Dy. Commr.

### OFFICE OF THE AMILDAR, GUBBI TALUK.

Notification dated 5th September 1950.

**No. Fc....** In exercise of the powers conferred upon me by Article 13 of Food Acquisition Order, 1949, issued in Government Notification No. S.P. 4054—C. 73-49-4, dated 21st November 1949, I, Sri C. P. Narayanaswamy, B.A., Amildar, Gubbi Taluk, do hereby require that all the holders owning lands under Belavatta tank, Kadaba Circle, of this taluk not to reap the produce until a notice in writing has first been given to the Revenue Inspector of the Circle and such notice has been returned endorsed with an acknowledgment of its receipt and further direct that no such crop shall be removed from the land on which it has been reaped or from any place. It may have been deposited without the written permission of the Revenue Inspector of the Circle.

Any person contravening the provision of this notification will be liable for prosecution under clause 19 of the above order and properties involved in the offence shall also be liable to be forfeited to Government.

4358

C. P. NARAYANASWAMY,  
Amildar.

### SAKLESPUR SUB-DIVISION.

Notification dated 31st August 1950.

**No. C1. 1162-585-49-50.** It is hereby notified for the information of all those whom it may concern that the pateli office of Honkaravalli village in K. Hoskote hobli of Alur Taluk, has fallen vacant as the whereabouts of the baravardar, Sri Annegowda alias Thammanna, are not known. Hakdars, if any, to the said pateli office, may prefer their claims before the Amildar, Alur Taluk, within two years from the date of publication of this notice in the Gazette, failing which, the hak in respect of the pateli office will be forfeited to Government and the office otherwise disposed of. Claims put forth after the expiry of the period of two years will be summarily rejected.

4369

Notification dated 31st August 1950.

**No. C1. 1171-594-49-50.** It is hereby notified for the information of all those to whom it may concern that the Pateli Offices of Lakkammanaballi and Bilagavalli villages of Palya Hobli, Alur Taluk, have fallen vacant consequent on the death of the previous baravardar Patel Eregowda, who died issueless. Hakdars, if any, to the said Pateli Offices may prefer their claims before the Amildar, Alur Taluk, within two years from the date of publication of this notice in the Gazette, failing which, the hak in respect of the Pateli Offices will be forfeited to Government and the offices otherwise disposed of. Claims put forth after the

expiry of the period of two years will be summarily rejected.  
4377

B. M. ABU BAKER, S. D. O.

### SHIMOGA SUB-DIVISION.

Notification dated 5th September 1950.

**No. R1. C. 431-118—50-51.** It is hereby notified for the information of the public that the Pateli office of Komaranahalli Village in Channagiri Taluk, has been declared as vacant on account of the death of the barawardar Patel Sri Govindiah, son of Muddurangiah about three years ago leaving no heirs behind him.

Other hakdars if any, for the said office may appear before the Amildar, Channagiri Taluk within two years from the date of publication of this notification in the *Mysore Gazette*, and establish their claims, failing which the hak will be forfeited to Government. Claims put forth after the expiry of the period will be rejected summarily.

4423

M. SUBRAMANYAM, S.D.O.

### CHIKMAGALUR DISTRICT.

Notification dated 2nd September 1950.

**No. A2. Restn. 7—50.** Under-Section 3 of the Minor Tank Restoration Act XV of 1923, it is hereby notified for the information of all concerned that the restoration of Gali-halli Karijdevarakatte, Registered No. 823 of Kadir Taluk, will be taken up by Government Agency at an estimated cost of Rs. 6,280. Objections, if any, to the proposed restoration should be preferred to the undersigned in writing within two months from the date of this notification after which no objection will be heard. Out of this cost, the raiyats' total contribution will be Rs. 1,256 and the rest will be borne by Government.

4394

A. N. ANANTHARAMIAH, Dy. Commr.

### FOREST DEPARTMENT.

### OFFICE OF THE CHIEF CONSERVATOR OF FORESTS IN MYSORE, BANGALORE.

Notification dated 5th September 1950.

**No. M1. 70-521—50.** It is hereby notified for the information of the public that under the Proviso to Rule 4 (b) of the Rules for the Protection of Game and Fish in Mysore, the area within a radius of three miles of Nallur Pala on Hunsur-Heggaddevankote Road, Hunsur Taluk, Mysore District, is thrown open for free shooting of the tiger reported to be causing Havoc in the locality, for a period of three months.

The shooting is restricted to only one tiger.

4375

M. A. MUTHANNA,  
Chief Conservator of Forests.

### HASSAN DISTRICT.

Notification dated 6th September 1950.

Adverting to the notification dated 2nd September 1950, closing certain Forests and Plantations for grazing throughout the year printed on page 864, Part III-2 of the *Mysore Gazette*, dated 7th September 1950, the public are hereby informed that in the old and new plantation area to an extent of 100 acres out of 364'80 acres in Gubbi Forest is closed for Grazing.

4457

P. PARASURAMA RAO, D.F.O.

### OFFICE OF THE CONSERVATOR OF FORESTS SHIMOGA CIRCLE, SHIMOGA.

Notification dated 5th September 1950.

**No. M. 14-54—50-51.** It is hereby notified for the information of the public that under the proviso to Rule 4 (b) of the Rules for the protection of Game and Fish in Mysore, the area within a radius of five miles of the under-mentioned village or villages as per details noted against them is thrown open for free shooting of tigers reported to be causing havoc in the locality.

| Village                      | Hobli  | Taluk | District    | Thrown open for a period of | Remarks                                                         |
|------------------------------|--------|-------|-------------|-----------------------------|-----------------------------------------------------------------|
| Koppe, Gunavanthe and Addada | Kasaba | Koppa | Chikmagalur | Three Months                | No person is permitted to shoot more than one tiger in the area |

4362

Notification dated 7th September 1950.

**No. M. 14-54—50-51.** It is hereby notified for the information of the public that under the proviso to Rule 4 (b) of the Rules for the Protection of Game and Fish in Mysore, the area within a radius of five miles of the under-mentioned village as per details noted against them is thrown open for free shooting of tigers reported to be causing havoc in the locality.

| Village     | Hobli     | Taluk   | District | Thrown open for a period of | Remarks                                                          |
|-------------|-----------|---------|----------|-----------------------------|------------------------------------------------------------------|
| Chinnikatte | Balegutti | Honnali | Shimoga  | Three months                | No person is permitted to shoot more than one tiger in the area. |

4391

Notification dated 8th September 1950.

**No. M. 14-54—50-51.** It is hereby notified for the information of the public that under the proviso to Rule 4 (b) of the Rules for the protection of Game and Fish in Mysore, the area within a radius of five miles of the under-mentioned villages as per details noted against them is thrown open for free shooting of tigers reported to be causing havoc in the locality.

| Village                                                                 | Hobli                                    | Taluk                                     | District | Thrown open for a period of | Remarks |
|-------------------------------------------------------------------------|------------------------------------------|-------------------------------------------|----------|-----------------------------|---------|
| (1) Nagathihalli ...<br>(2) Cheelanaiikana-halli ...<br>(3) Javagal ... | Kasaba ...<br>Halobid ...<br>Javagal ... | Arsikere ...<br>Belur ...<br>Arsikere ... | Hassan   | Three months.               |         |

Remarks:—

\* No person is permitted to shoot more than one tiger in the area.

4233

H. S. RANGACHAR,  
Conservator of Forests.

### SHIMOGA FOREST DIVISION.

Notification dated 22nd August 1950.

It is hereby notified for the general information of the public that the following State Forests and Plantations Shimoga Division, are closed for free grazing of cattle, etc., throughout the year. Any person found allowing or grazing of cattle will be liable for punishment under the Mysore Forest Act.

List of areas reserved with boundaries, etc., closed for grazing in several Forests of the Ranges of Shimoga noted below can be had from the respective Range Officers concerned.

| Sl. No. | Name of Range     | Name of Forest             | Locality                                 | Area in Acres |
|---------|-------------------|----------------------------|------------------------------------------|---------------|
| 1       | Agumbe Range      | Agumbe State Forest        | Megarvally Cattle Shed                   | 200           |
|         |                   | Balehalli do               | Segehalli do                             | 100           |
|         |                   | Kunda do                   | Malandurbylu                             | 100           |
| 2       | Ayanur Range      | Sudur do                   | Kunda Maidan                             | 60            |
|         |                   | Kunchenaballi State Forest | Teak Plantation                          | 212           |
|         |                   | Devabala do                | Softwood Plantation                      | 29            |
|         |                   |                            | Antawala Plantation                      | 5             |
|         |                   | Kumai do                   | Devabal Tiger Block                      | Whole area.   |
|         |                   | Nagarbhavi do              | Teak Plantation                          | 80            |
| 3       | Ripponpet Range   | Arasalu State Forest       | Nagarbhavi Sandal Reserve and Plantation | 72            |
| 4       | Tirthahalli Range | Masarur do                 | Teak Plantations                         | 421           |
| 5       | Hanagere Range    | Natur do                   | Teak and other Plantations               | 816           |
| 6       | Shankar Range     | Ubbur do                   | Cashew Nut Plantation                    | 160           |
| 7       | Sacreyale Range   | Kudi do                    | Teak Plantations                         | 5             |
|         |                   | Shankar do                 | Do                                       | 516           |
|         |                   | Sacreyale do               | Eucalyptus Plantations                   | 26            |
|         |                   | Bommenahalli State Forest  | Teak Plantations                         | 588           |
|         |                   |                            | Alkola Sandal Reserve                    | 150           |
|         |                   |                            | Teak Plantations                         | 618           |
|         |                   |                            | Do                                       | 97            |
|         |                   |                            | Mixed Plantations                        | 14            |

N.B.—In addition to the above the whole of compartment No. 5 in Mattignudi Block.  
4053

Notification dated 28th August 1950

It is hereby notified under Section 40 of the Mysore Forest Act, that the undermentioned kinds and quantities of timber found unclaimed in places noted below have been seized and kept in the custody of Government at places noted against each. Persons having any claim to the said timber, etc., are required to present their claims in writing to the undersigned within one month from the date of publication of the Notification in the official Gazette, failing which the property shall lapse to Government under Section 42 of the said Act.

| Sl. No. | Name of Range | Date of Seizure | Kind  | No. C.ft.  | Locality                                         | Place at which kept         |
|---------|---------------|-----------------|-------|------------|--------------------------------------------------|-----------------------------|
| 1       | Ayanur Range  | 19th July 1950  | Honne | 1= 6 C.ft. | Waste land of Jeenalli                           | Sri Ramalingappa, Patel     |
|         | Do            | 20th May 1950   | Teak  | 1=20 "     | Survey No. 27 of Gunigekola Village Kumai Hobli. | Sri M. P. Navilappa, Patel  |
|         |               | 12th April 1950 | Honne | 6=50 "     | Voni of Mandagatta Village                       | Sri Nanjachari of Mandagatt |

D. NANJUNDAPPA,  
District Forest Officer.

4231

#### BHADRAVATI FOREST DIVISION.

Notification dated 22nd August 1950.

It is notified for the general information of the public, that under Section 40 of the Mysore Forest Act, the undermentioned kinds and quantities of timber, found unclaimed, are kept in the custody of persons. Those having any claim of the said timber may present a written statement of the claims of the said timber within one month from the date of publication of the notification in the Gazette. Failing which, the ownership of the said timber shall vest in the Government free from all encumbrances under Section 42 of the Mysore Forest Act. No claims will be considered after the expiry of one month referred to above.

| Range      | Locality                                                       | Kind of timber                 | C.ft.      | Custody                         |
|------------|----------------------------------------------------------------|--------------------------------|------------|---------------------------------|
| Bhadravati | Near Neralkere                                                 | Teak, 12 logs                  | 21-44      | Abdul Nabbi Sah, Neralkere      |
| Do         | Near Kalhalli                                                  | Teak, 8 logs and 2 carts       | 32-31      | Shanmukappa Patel, Kalahalli    |
| Channagiri | Ningappa's Smithy Shop, Channagiri.                            | 2 cart wheels                  |            | Range Officer, Chennagiri       |
| Do         | Behind the house of Dada Ahamed Sab, Channagiri.               | 2 cart wheels without felloes. |            |                                 |
| Do         | Near Hosalli Tank                                              | Teak                           | 5-5-18     | Muppajia of Hosahalli           |
| Do         | Near Arbilichi Government Tank                                 | Teak                           | 5-22       | Forester, Kudligere             |
| Do         | Near Bus Stand, Channagiri                                     | Teak                           | 12 spokes  | Range Officer, Chennagiri       |
|            |                                                                |                                | 4 felloes. |                                 |
| Do         | In the village temple vicinity of Kudligere, Channagiri Range. | Teak                           | 5-7        | Forester, Kudligere             |
| Umblebyla  | Lakkinakoppa                                                   | Matti                          | 8-19       |                                 |
|            |                                                                | Yettiga                        | 2-28       |                                 |
|            |                                                                | Honne                          | 9-63       | Range Forest Officer, Umblebyla |
|            |                                                                |                                | 160 C.ft.  |                                 |

4164

C. JAYARAMAREDDY, D.F.O.

#### UNIVERSITY OF MYSORE

##### AMENDMENT NO. 45.

Notification No. Ex. 5-62-50-51.  
dated 22nd August 1950.

The following is the syllabus in Chemistry for the Honours Course.

##### Inorganic Chemistry.

The elements are to be studied from the standpoint of the periodic table; the manufacture, properties and uses of important compounds are to be stressed; the electronic structures of compounds are to be discussed; the historical development of the subject is to be indicated.

##### Part I—Elementary Survey.

The electron; the Rutherford atom; atomic number; the ion and other fundamental particles; the atomic mass; isotopes; electronic structure of elements; electrolysis of valency.

Classification of elements; Mendeleef's periodic law; prediction of the periodic law on the basis of atomic

**Zero Group**—Discovery of the rare gases. Their industrial production, properties and uses.

**Hydrogen**—Manufacture and uses; atomic hydrogen, occlusion of hydrogen, heavy hydrogen; ortho and para hydrogen.

**Alkali Metals**—Lithium, sodium, potassium; electrolytic alkali, sodium carbonate, sodium cyanide, sodium nitroprusside.

**Copper**—Metallurgy, electro-refining, alloys, complex amines and cyanides of copper.

**Silver**—Extraction; desilverisation of lead.

Recovery of silver from silver residues; compounds of bivalent silver. Complex compounds of silver.

**Gold**—Extraction. Separation from silver; compounds of gold.

**Magnesium**—Extraction. Magnesium oxide, magnesium chloride.

**Calcium**—Extraction. Calcium hydride, calcium carbide calcium cyanamide, gypsum; cement.

**Barium and Strontium**—Preparation and properties of their important compounds.

**Zinc**—Metallurgy, purification, alloys, uses; oxid chloride.

**Cadmium**—Extraction, uses.

**Mercury**—Extraction, purification; mercurous and mercuric salts; mercury amine compounds.

**Boron**—Preparation; preparation, properties and structure of the hydrides of boron and boron trifluoride; sodium perborate.

**Aluminium**—Extraction, purification, alloys, uses; ultramarine; clay.

**Carbon**—Structure of diamond and graphite; artificial graphite; activated carbon; oxides and sulphides; carbonyl chloride; carbides; fuels, cyanogen and its compounds, cyanamide, cyanides, cyanates, thiocyanates.

**Silicon**—Preparation; hydrides, oxides and sulphides, chlorides, silico-chloroform, silicon oxalic acid, silicon formic anhydride, carborundum, hydrofluosilicic acid, silica gel, silicones, silicates, zeolites, glass and ceramics.

**Tin**—Metallurgy, recovery from scrap, allotropy, alloys, uses, hydride, chlorides, pink salt, oxyacids of tin.

**Lead**—Metallurgy, purification, uses, hydride, oxides, azide, tetraethyl, tetravalent compounds of lead, white lead.

**Nitrogen**—Active nitrogen, hydrides, oxides, hydroxylamine, urea, nitrogen halides; oxyacids; the nitrogen industry.

**Phosphorus**—Extraction; glow of phosphorus; hydrides, halides, oxides; oxyacids of phosphorus; the phosphate industry.

**Arsenic**—Allotropy, hydrides, halides, oxides and oxyacids.

**Antimony**—Extraction and uses; allotropy, stibine, potassium pyro-antimonate.

**Bismuth**—Extraction, alloys, hydride, sodium bismuthate.

**Oxygen**—Ozone; purification of water; structure of water; the hydrogen bond; manufacture of hydrogen peroxide, structure; peroxides.

**Sulphur**—Extraction, allotropy, sulphides and persulphides; halides and oxides of sulphur; oxyacids of sulphur.

**Selenium**—Extraction, allotropy, uses; hydride, halides, oxides and oxyacids.

**Tellurium**—Extraction, hydride, oxides, telluric acid and tellurates.

**Chromium**—Extraction, alloys, uses; chromous and chromic salts; oxides and oxyacids; structure of chloride and sulphate.

**Fluorine**—Preparation, oxides; association of hydrogen fluoride.

**Chlorine**—Electrolytic chlorine, oxides, oxyacids, and their structure; sodium chloride; calcium hypochlorite.

**Bromine**—Extraction from sea water, oxides and oxyacids.

**Iodine**—Extraction, recovery from residues; oxides and oxyacids.

**Manganese**—Extraction, alloys, uses; oxides and oxyacids; manganous and manganic salts.

**Iron**—Extraction of pig iron; reactions in the blast furnace; manufacture of steel. Influence of various elements on the properties of steel. Special treatment of steels. Alloy steels; corrosion; passivity of metals.

**Cobalt**—Extraction, alloys, uses; complex compounds of cobalt.

**Nickel**—Extraction, refining, alloys, uses; nickel carbonyl, nickelous and nickelic compounds.

## Part II—Advanced Study

History of Chemistry up to 1800.

A more advanced study of the chemistry of the elements already dealt with. In addition, the following:—

**Beryllium**—Extraction, alloys, uses; oxide, chloride, nitrate, basic acetate.

**Radium**—Extraction, uses; salts.

**Gallium**—Metal, oxide, chloride.

**Indium**—Metal, oxide, chloride.

**The Rare Earths.**

**Thallium**—Thallous and thallic compounds.

**Germanium**—Hydride, oxide, chloride.

**Titanium**—Extraction; powder metallurgy; alloys, uses; chlorides, dioxide; analytical uses of titanous chloride.

**Zirconium**—Metal, oxide, chloride.

**Hafnium**—Discovery. Comparison with titanium and zirconium.

**Thorium**—Extraction, uses; thorium nitrate.

**Vanadium**—Extraction, alloys, uses; halides; vanadium pentoxide; ammonium meta vanadate.

**Tantalum**—Extraction, uses.

**Molybdenum**—Extraction, alloys, uses; molybdenum trioxide, molybdic acid, ammonium molybdate, ammonium phosphomolybdate.

**Tungsten**—Extraction, ductile tungsten, uses; chlorides of tungsten, tungstic acids, sodium tungstate; phosphotungstic acids, silicotungstic acid.

**Uranium**—Extraction, halides, oxides; uranous and uranyl salts, uranates.

**Rhenium**—Discovery; oxides, perrhenic acid.

**Platinum Metals**—Extraction, important compounds, uses.

Transuranic elements; recently discovered elements; missing elements.

Co-ordination compounds.

Heteropoly acids.

Intermetallic compounds.

Metallic carbonyls.

Peracids.

Inter-halogen compounds.

Refractories, abrasives, inorganic pigments.

## Analytical Chemistry

Laboratory techniques of drying, evaporation, filtration, ignition.

Instrumental errors, manipulative errors, errors due to impurities, inherent errors.

Theory of precipitation and co-precipitation.

Theory of volumetric analysis.

Potentiometric and conductometric analysis; electroanalysis.

Colorimetric and nephelometric methods.

Use of organic reagents in inorganic analysis.

The technique of semi-micro qualitative analysis.

Critical study of the methods of estimation of the following:—

Halides, phosphate, sulphur, magnesium, calcium, aluminium and iron.

## Physical Chemistry.

### Part I—Elementary Survey.

Gas laws Kinetic theory of gases, derivation of ( $pV = nRT$ ), deduction of gas laws.

Degree of freedom, equipartition principle; specific heats of gases.

Experimental work on real gases; critical phenomena; Vander Waal's equation; continuity of state; reduced equation of state.

Joule—Thomson effect; liquefaction of air, hydrogen, and helium; production of extremely low temperatures; high vacuum technique.

The phase rule; equilibrium diagrams; one component systems; polymorphism; transition temperature; two component systems; eutectics.

Solubility of gases; Henry's law.

Ideal and non-ideal solutions; vapour pressure—composition diagrams; boiling point—composition diagrams; distillation of binary mixtures; fractional distillation; azeotropic mixtures; partially miscible liquids; immiscible liquids, steam distillation.

The distribution law and its applications.

Osmotic pressure; experimental determination; laws of osmotic pressure; Van't Hoff's theory of solution, calculation of molecular weights, theories of semipermeability and of osmotic pressure.

Raoult's law; determination of vapour pressure lowering; calculation of molecular weights; relation between osmotic pressure and lowering of vapour pressure.

Elevation of boiling point; relation between lowering of vapour pressure and elevation of boiling point; ebullioscopic constant; determination of molecular weights experimental determination of boiling point.

Depression of freezing point; relation between lowering of vapour pressure and depression of freezing point; cryoscopic constant; determination of molecular weights experimental determination of freezing point.

Abnormal molecular weights; Van't Hoff's factor.

Thermochemical equations; intrinsic energy of a compound; heats of formation, combustion, neutralisation, solution; Hess' law and its applications; heats of reaction at constant pressure and at constant volume; determination of heats of reaction.

Law of mass action; application to equilibria in homogeneous and heterogeneous systems; Le Chatelier's principle and its applications to technical gas reactions.

Velocity of a reaction; velocity constant; experimental determination; molecularity; equations for velocity constant; kinetic order of a reaction; methods of finding order; side reactions, consecutive reactions and opposing reactions.

Criteria of catalysis; negative catalysis; poisoning; promoter action; autocatalysis; homogeneous and heterogeneous catalysis; theories of catalysis; enzyme catalysis; catalysis in industry.

Faraday's laws of electrolysis; Grotthuss' theory of conduction; Arrhenius' theory of electrolytic dissociation.

Specific, equivalent and molecular conductivities; determination of the conductivity of an electrolyte; conductivity cells; the cell constant; conductivity water; variation of equivalent conductivity with temperature and dilution; weak and strong electrolytes.

Kohlrausch's law; transport numbers; Hittorff's method of finding transport numbers; calculation of ionic mobilities; absolute velocities of ions.

Application of conductance measurements in (a) finding the solubilities of sparingly soluble salts, (b) calculation of the degree of dissociation, and (c) conductometric titrations.

Ostwald's dilution law, ionic product of water; hydrolysis of salts; solubility product, common ion effect, complex ion formation.

Galvanic cells; electrodes, electrode potential; standard electrodes; standard cells; measurement of E. M. F.; potentiometric titrations.

Buffers; determination of pH by (a) Indicator method, and (b) E.M.F. methods; theory of acid-base indicators.

Methods of preparation of colloidal solutions; dialysis, ultrafiltration, Tyndall effect, Brownian movement, electrophoresis; coagulation of colloids, protective action, Applications of colloidal chemistry.

## Part II—Advanced Study.

Black body radiation; Planck's quantum theory; quantum phenomena; photoelectric effect; Compton effect; Raman Effect; quantum theory of the specific heats of solids and gases.

Cathode rays;  $e/m$  of electrons; Millikan's determination of  $e$ ; determination of the Avogadro number by different methods; the Rutherford-Bohr atom; Moseley's law.

Bohr's theory of the hydrogen spectrum; atomic energy levels critical potentials; subsidiary, magnetic and spin quantum numbers; Pauli's exclusion principle; the electronic configurations of atoms.

Natural radioactivity; methods of detecting high speed particles; artificial disintegration by  $\alpha$  particles; radioactivity; methods of production of high speed particles; nuclear fission.

$\alpha$  rays; Aston's mass spectrograph; other mass spectrographs; separation of isotopes; use of isotopes as tracers.

Fundamental particles; cosmic rays.

States of matter.

Maxwell's distribution law; mean free path, collision frequency, viscosity, conductivity, and diffusion of gases.

Vapour densities at high temperatures; dissociation; rate determination of vapour densities.

Kinetics of reaction in homogeneous systems; Arrhenius' theory; mechanism of bimolecular reactions; the activated complex; collision hypothesis; the probability of reaction; mechanism of unimolecular reactions; termolecular reactions; reaction in solution, reactions between ions, the ionic theory.

Langmuir's theory of adsorption and its applications to reactions of gases at solid surfaces.

Mechanism of heterogeneous catalysis, industrial catalysis, electronic theory of acid and bases, acid-base

Einstein's law of photochemical equivalence, quantum efficiency, adsorption spectra in relation to the primary photochemical process; photosensitization; chain reactions; chemiluminescence; photochemistry of the silver halides; experimental technique of photochemical studies.

Band spectra, Raman effect, X-ray diffraction, dipole moments, electron diffraction. An elementary account of the above and their applications in the investigation of molecular structure.

Optical, kinetic and electrical properties of colloidal solutions; stability of colloids, kinetics of coagulation, mechanism of protection, viscosity and surface tension of colloidal solutions, colloidal electrolytes, Donnan equilibria.

Preparation of gels, structure of gels, sol-gel transformation, preparation of emulsions, types of emulsions, theories of emulsification.

Adsorption, Freundlich isotherm, Langmuir isotherm, types of adsorption, Gibbs' adsorption equation, surface films; adsorption of solids from solution.

The first law of thermodynamics, heat capacities at constant pressure and at constant volume, thermodynamic criteria of a perfect gas, Joule-Thomson effect, application to real gases, reversible process, Carnot cycle for an ideal gas, variation of heat of reaction with temperature, Kirchhoff's equation.

Second law of thermodynamics, Carnot cycle, variation of entropy in reversible and irreversible changes, entropy of an ideal gas, variation of entropy with temperature, pressure and volume, Maxwell's relations, entropy and heat capacity, application to real gases, Joule-Thomson coefficient, inversion temperature.

The Clausius-Clapeyron equation and its applications.

Free energy, thermodynamic equilibrium, Gibbs-Helmholtz equation.

Partial molar quantities, chemical potential, activity.

Derivation of the law of mass action, expressions of  $K_p$ ,  $K_c$  and  $K_x$ , reaction isotherm and isochore, calculation of free energy and heat of reaction from equilibrium data.

Thermodynamics of dilute solutions.

Derivation of phase rule, application to simple systems of three components.

An elementary account of the third law of thermodynamics.

Thermodynamics of galvanic cells, reversible electrodes and reversible cells, chemical and electrical energy, expressions for electrode potential and EMF of cells, concentration cells, liquid junction potentials, oxidation-reduction potentials, absolute electrode potentials.

Activity coefficients; Debye-Huckel-Onsager theory of strong electrolytes.

Electrode processes, polarization, decomposition voltage, overvoltage, passivity.

An elementary account of the electrochemistry of non-aqueous solutions and fused electrolytes.

## Introductory Course in Organic Chemistry

**Historical introduction**—Characteristics of organic compounds; elementary analysis; empirical and molecular formula; classification.

Preparation, properties and characteristic reactions of the groups of organic compounds given below with emphasis on the production and utilisation of substances of industrial importance. The subject is to be studied with particular reference to structure, isomerism, reactivity and reaction mechanism based on application of the electronic theory to organic chemistry.

**Hydrocarbons and their simpler derivatives**—Paraffins; olefines; acetylenes; cycloparaffins; aromatic hydrocarbons; halogen and nitro derivatives; sulphonic acids.

**Hydroxy compounds**—Alcohols; phenols; thioalcohols. Ethers and thioethers.

**Aldehydes, ketones and quinones.**

**Acids and their derivatives.**—Monobasic acids; fatty acids; fats, oils and waxes; aromatic acids; acid anhydrides, acid chlorides; amides; esters.

**Hydroxy acids**, ketonic acids, ethyl acetoacetate.

Di- and tri-carboxylic acids; saturated and unsaturated acids; phthalic acid; hydroxy dicarboxylic acids; citric acid.

**Carbohydrates.**—Monosaccharides, disaccharides, starch and cellulose.

## Nitriles and Isonitriles, Isocyanates, Isothiocyanates.

**Amines**—Aliphatic amines, aromatic amines, reduction products of aromatic nitro compounds, aliphatic diazo compounds.

## Amino Acids and Proteins.

## Derivatives of Carbonic Acid.

## Organo-metallic compounds.

## Simpler heterocyclic compounds.

### Books for Reference.

Perkin and Kipping: Organic Chemistry.

Gibson: Essential Principles of Organic Chemistry.

Conant: The Chemistry of Organic Compounds.

### Advanced Course in Organic Chemistry.

**Theoretical**.—Applications of electronic theory to organic chemistry, abnormal valency, free radicals, resonance; chelation; unsaturation and conjugation; structure of benzene and aromatic character; chromophoric and auxochromic effects.

**Stereochemistry**.—Steric hindrance, optical activity due to restricted rotation; molecular asymmetry; configuration of geometrical isomerides; optical activity due to nitrogen and sulphur in organic compounds.

Baeyer's strain theory, stability of ring systems; Sachse-Mohr's theory of strainless rings.

**Reactions**.—Dynamic isomerism, tautomerism, molecular rearrangement, mutarotation, Walden inversion, pincone-pinacol and allied transformations, Beckmann transformation.

### Study of the following Classes of Organic Compounds:

Carbohydrates.

Vitamins A, B, C. Hormones, adrenalin and thyroxin.

Heterocyclic compounds.

Proteins

Alkaloids.

Dyes.

Drugs.

Terpenes.

**Industrial Applications**.—Petroleum, synthetic fuels, ethylene and acetylene in organic chemical industry, industrial alcohols, Fats and oils, sugar, cellulose, industries, tanning, coaltar industry, plastics.

### Books for Reference

Watson: Modern Theories of Organic Chemistry

Waters: Physical Aspects of Organic Chemistry

Karrer: Organic Chemistry.

### Course in Practical Inorganic Chemistry

Calibration of weights, burette, pipette and measuring flask.

Volumetric estimations involving the use of standard acid, alkali, permanganate, dichromate, silver nitrate, iodine, thiosulphate and mercuric nitrate.

Gravimetric estimation of iron, aluminium, magnesium, silver, sulphate, chloride, silica.

Complete analysis of one alloy and two ores out of the following: hematite, pyrolusite, chromite, dolomite, felspar brass, solder, Wood's alloy.

Qualitative analysis of mixtures of inorganic compounds containing not more than six radicals. Detection of the less familiar elements.

Preparation of not less than six prescribed inorganic compounds.

Gas analysis.

### Course in Practical Physical Chemistry

Measurement of density, surface tension viscosity and refractive index.

Determination of molecular weight by Victor Meyer's, cryoscopic and ebullioscopic methods.

Thermometric studies of heats of reaction, transition temperature, critical solution temperature.

Velocities of reactions involving gas measurement, chemical estimation and polarimetric studies.

Investigation of chemical equilibria by partition measurements.

Conductivity measurements, conductometric titrations.

E. M. F. Measurements, potentiometric titrations determination of pH by colorimetric and E. M. F. methods

Electro analysis.

Preparation of sols, gels and emulsions; coagulation studies.

Emission and absorption spectra, spectroscopic detection of elements.

### Practical Work in Organic Chemistry

Estimation of Nitrogen (Kjeldahl), halogens (Robertson) phenol, sugar, urea, hydroxyl and amino groups. Determination of equivalent weight of an acid; saponification value and iodine value.

Preparation of simple compounds (at least 30) involving halogenation, nitration, sulphonation reduction and oxidation, diazotisation, hydrolysis and esterification methylation and common reactions like Friedel-Craft Cannizzaro and Reimer-Tiemann.

Identification of organic compounds in a mixture of two simple substances.

### Books for Reference

(1) Elementary Laboratory Experiments in Organic Chemistry—Adams and Johnson.

(2) Laboratory Methods of Organic Chemistry—Gattermann.

(3) Qualitative Organic Analysis—Kamm.

(4) The Systematic Identification of Organic Compounds (A laboratory Manual). (Shriner and Fuson)

(Letter No. E/879, dated 23rd May 1950, from the Education Secretary to Government, Bangalore).

837

Notification No. Bx. 4. 843—49-50, dated 9th September 1950.

### TIME TABLE.

L.M.P. Diploma Examinations, October 1950.

| Date                        | Hour                    | Subject                     |
|-----------------------------|-------------------------|-----------------------------|
| FIRST L.M.P. EXAMINATION.   |                         |                             |
| Wednesday, 4th October 1950 | 8-30 A.M. to 10-30 A.M. | Physics                     |
| Thursday, 5th do            | 8-30 A.M. to 11-30 A.M. | Chemistry                   |
| Friday, 6th do              | 8-30 A.M. to 10-30 A.M. | Elements of Biology         |
| SECOND L.M.P. EXAMINATION.  |                         |                             |
| Wednesday, 4th October 1950 | 8-30 A.M. to 11-30 A.M. | Anatomy                     |
| Thursday, 5th do            | 8-30 A.M. to 11-30 A.M. | Physiology                  |
| THIRD L.M.P. EXAMINATION.   |                         |                             |
| Wednesday, 4th October 1950 | 8-30 A.M. to 11-30 A.M. | Pathology and Bacteriology. |
| Thursday, 5th do            | 8-30 A.M. to 11-30 A.M. | Hygiene                     |
| Friday, 6th do              | 8-30 A.M. to 11-30 A.M. | Materia Medica              |
| FINAL L.M.P. EXAMINATION.   |                         |                             |
| Wednesday, 4th October 1950 | 8-30 A.M. to 11-30 A.M. | Medicine                    |
| Thursday, 5th do            | 8-30 A.M. to 11-30 A.M. | Surgery                     |
| Friday, 6th do              | 8-30 A.M. to 11-30 A.M. | Midwifery                   |
| Saturday, 7th do            | 8-30 A.M. to 11-30 A.M. | Forensic Medicine           |

NOTE.—The time-table in regard to the Clinical and Viva voce Examinations will be announced by the Principal, Medical School, Bangalore.

C. RANGACHAR, Ag. Registrar